

AMENDMENTS TO THE ABSTRACT

Please amend the Abstract as follows:

A heat exchanger includes a header pipe, an inlet manifold, an outlet manifold, and coupling members. The header pipe includes a fluid circulation hole inside. The inlet manifold-supplied supplies a fluid to the fluid circulation hole of the header pipe. The outlet manifold discharges the fluid from the fluid circulation hole of the header pipe. The header pipe is connected to the inlet manifold and the outlet manifold though the coupling members.